



Caltrans District 12



July 12, 2022
Construction Network

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Acting Deputy District Director
Strategic Portfolio Management



DISTRICT 12 PORTFOLIO SUMMARY



2022 SHOPP

\$935
Million

38
Projects

2022 STIP

\$141.9
Million

5 Projects

OCGO

\$3.8
Billion

14
Projects

Toll Roads

241/91
Express Lane
Connector

\$383
Million

SB1
Competitive
Programs

SR-57
Lambert
Interchange
TCEP- **\$59**
Million

SR-55: LPP &
TCEP
\$140 Million



4-YEAR 2022 SHOPP



- FY 22-23 thru 25-26 includes Safety projects
- Safety and Emergency projects added as needed

FY	#of Projects	Total Cost (\$1000)
22-23	12	\$276,433
23-24	19	\$440,298
24-25	4	\$117,720
25-26	3	\$100,923
TOTAL	38	\$935,374



2022 SHOPP MULTI ASSET PROJECTS



Route	EA	Target RTL FY	Location/Description	Total Cost (\$Mil)
5	OS380	24/25	Pavement rehab from north of Route 74 to Route 405	\$54.0
5	OS051	24/25	Pavement rehab from Route 405 to Yale Avenue	\$32.0
5	OS052	24/25	Pavement rehab from Yale Avenue to Route 55	\$19.0
5	OS500	25/26	Pavement rehab from Route 55 to the Los Angeles County Line	\$43.0
5	OR970	25/26	Pavement rehab from the San Diego County Line to north of Route 74	\$30.0
22	OS080	25/26	TMS upgrade from West of Cambridge Street to Route 55	\$28.0
405	OR330	24/25	Pavement rehab from Harbor Boulevard to South McFadden Avenue	\$12.0
			TOTAL	\$218.0



2024 SHOPP MULTI ASSET PROJECTS



Route	EA	Target RTL FY	Location/Description	Total Cost (\$mil)
5	OT280	26/27	Remodeling of the San Juan Maintenance Facility	\$2.2
39	OR360	26/27	Pavement rehab between from Whitaker Ave. to Whittier Blvd	\$49.3
57	OR370	27/28	Place polyester concrete overlay on bridge decks from Interstate Route 5 to Orange/Los Angeles County Line	\$56.7
74	OR990	26/27	Pavement rehab from 0.01 west of Calle Entradero to 0.12 west of San Juan Capistrano Bridge	\$36.0
133	OS060	26/27	Seal cracks on bridge deck from Lake Forest Drive to CA-241 West Route 133 Tunnel	\$40.6
241	OT270	27/28	Pavement rehab from south end to 0.4 mile north of SR-133 interchange	\$47.5
			TOTAL	\$232.3



2022 STIP



Route	EA	Target RTL FY	Description	Total (\$M)	STIP share (\$M)
5	0K024	24/25	Landscaping in Laguna Niguel, Mission Viejo, Laguna Hills & Lake Forest from State route 73 to Oso Parkway	\$12.4	\$6.0
5	0K670	24/25	Interstate 5 improvements from 405 to Yale Avenue	\$223.4	\$95.3
5	0Q950	24/25	Interstate 5 (I-5) Managed Lanes from Red Hill Ave to OC/LA county line	\$417.4	\$25.6
57	0C120	25/26	State Route 57 Truck Climbing Auxiliary Lane from Lambert to LA County Line	\$121.5	\$6.5
74	08692	24/25	Widen Route 74 from 2 to 4 lanes in San Juan Capistrano from Calle Entradero to city/county line (PS&E)	\$16.7	\$8.5
			TOTAL	\$782.0	\$141.9



MINOR PROGRAM



- ▶ Statewide: Increased from \$150 million to \$250 million
- ▶ Minor A project limit: \$1.25 million
- ▶ Minor B project limit: \$388,000

Fiscal Year	# of Minor A Projects	Total Minor A Support & Cap \$ Mil	# of Minor B Projects	Total Minor B Support & Cap \$ Mil	Total Minor A & B Support & Cap \$ Mil
19/20	2	\$3.32	6	\$4.61	\$7.93
20/21	3	\$5.50	16	\$6.96	\$12.46
21/22	1	\$1.48	20	\$6.98	\$8.46
22/23	2	\$3.55	16	\$5.5	\$9.05



A&E CURRENT CONTRACTS



▶ 17 active contracts for a total of \$85.5M

Work Type	# of Contracts	Contract Amount
Design	6	\$35.2M
Construction Inspection	3	\$12.5M
Environmental Services	2	\$9.3M
Biological Services	1	\$3.7M
Survey	1	\$4.2M
Multiphase Design	1	\$5.2M
Hazardous Waste	1	\$1.4M
Design, PPM, Traffic for 405 Design-Build Multi-Asset	1	\$7.0M
Design, PPM, Traffic, Environmental for I-5 Managed Lanes	1	\$7.0M



UPCOMING A&E CONTRACTS



Contract on LAR	Contract Amount	Work Type
12NEWC02-22	\$1,500,000	Roadway Construction Inspection and Material Testing Services for I-405 DB
Total	\$1,500,000	
Pending Execution Contracts	Contract Amount	Work Type
12A1986	\$1,300,000	I-5 Managed Lanes Traffic and Revenue (T&R) Study
12A1991	\$2,800,000	Traffic Operations Services On-Call
Total	\$4,100,000	
Pending Contracts	Contract Amount	Work Type
12NEWC01-22	TBD	Roadway Construction Inspection and Material Testing On-Call
12NEWS01-22	TBD	Survey and ROW Engineering On-Call



CALMENTOR PROGRAM -EVENTS



- ❑ Calmentor networking event held bi-annually
- ❑ Location rotates between Districts 7, 8, 12
- ❑ Events published at:
 - LinkedIn
 - American Council of Engineering Companies
 - Small Business Council
 - Other Caltrans Outreach events
- ❑ Purpose:
 - Meet District Executive staff, meet the Calmentor Steering Committee members, and receive information about upcoming A&E contracts
 - Hear from you (consultant community) likes/dislikes

MAJOR CONSTRUCTION PROJECTS

SHOPP Major
Projects Out to
Construction

\$376
Million

34
Projects

SHOPP Minor
Projects Out to
Construction

\$6.6
Million

18
Projects

Partnership/Other
Local Projects
Out to
Construction

\$563
Million

6
Projects

Maintenance
Projects Out to
Construction

\$18
Million

14
Projects



UPCOMING D12 SHOPP MAJOR CONSTRUCTION PROJECTS



EA	Co-Rte-PM	Legal Description	Work Description	Construction Cost	Advertise Date M480
12-0P690	ORA-001-5.5/7.9	In Orange County in Laguna Beach, on Route 1 From 7th Avenue To Ruby Street	Upgrade ADA in NB and SB of SR-1	\$9,728,000	5/23/2022
12-0R500	ORA-055-.6/.6	In Orange County in Newport Beach on SR 55 at Hospital Road	Enhance safety by modifying signals, adding safety lighting, bring safety devices to standard, and refresh delineation	\$1,080,000	6/9/2022
12-0R150	ORA-055-13.7/13.7	In Orange County in Orange at Chapman Avenue Undercrossing	Modify existing traffic signals for improved visibility, add safety lighting, refresh pavement delineation, and upgrade curb ramps.	\$2,140,000	6/20/2022
12-0P590	ORA-001-29.9/33.7	In Orange County in Seal Beach & Huntington Beach on SR 1 from Warner Ave. to Los Angeles	Resurface & rehabilitate 14.9 lane miles.	\$11,847,000	7/1/2022
12-0P680	ORA-001-13/33.6	In Orange County in Seal Beach, Huntington Beach and Newport Beach on PCH	Upgrade Traffic Signals equipment.	\$15,415,000	7/1/2022
12-0P930	ORA-005-41.9/43.1	In Orange County In Anaheim, Fullerton and Buena Park On Rte 5 from Magnolia Ave to Stanton Ave and Rte 91 from Stanton Ave to Brookhurst Street	ROADSIDE SAFETY	\$2,000,000	7/1/2022
12-0R560	ORA-VAR-0/0	In Orange County in the cities of Santa Ana, Tustin, Irvine, Costa Mesa, Laguna Niguel and Anaheim on various routes.	Rehabilitate pavement by repairing broken concrete slabs and replacing asphalt concrete with Rubberized Hot Mix Asphalt (RHMA-G) at 17 connectors, on one ramp and one overcrossing.	\$27,773,000	7/22/2022
12-0Q270	ORA-057-22/22	In Orange County near Brea at Tonner Canyon Road Undecrossing	Storm Water Mitigation	\$5,056,000	7/29/2022
12-0R190	ORA-091-5.4/5.8	In Orange County In Anaheim From SB SR 57 to Placentia Ave	Install new OH sign structure and remove and replace existing guide sign panel	\$802,000	8/22/2022
12-0R410	ORA-001-17.4/21.5	In Orange County in Newport Beach, from Jamboree Road to Santa Ana River Bridge	0.2 'AC overlay and cold plane, upgrade ADA curb ramps and safety devices, re stripe pavement, remove and replace traffic loops	\$10,437,000	9/1/2022
12-0R290	ORA-022-5.5/5.5	In Orange County in Garden Grove at westbound Brookhurst Street on ramp	Place HFST, loop detectors, MGS, and concrete barrier	\$840,000	9/9/2022
12-0R730	ORA-091-R.8/R1.8	In Orange County In La Palma and Buena Park From Valley View Street To Knott Avenue	Install overhead cantilever sign structure with high reflective panel and refresh pavement delineation.	\$1,303,000	10/10/2022
12-0Q970	ORA-405-.2/11.4	In Orange County in Irvine and Costa Mesa on Rte 405 from I-5 to Harbor Blvd	Replace Slab, grinding, cold plane, replace shoulders, place Methacrylate deck seal and operational improvement at WB Culver Dr On-Ramp to NB I-405 and WB Jeffrey Rd On-Ramp to NB I-405	\$150,747,000	10/20/2022



UPCOMING D12 SHOPP MAJOR CONSTRUCTION PROJECTS



EA	Co-Rte-PM	Legal Description	Work Description	Construction Cost	Advertise Date M480
12-OR180	ORA-090-.9/3.6	In Orange County At Various Locations From Idaho Street in La Habra To Puente Street In Brea and Fullerton	Modify Signal, Install Lights, Upgrade Curb Ramps, Refresh Pavement Delineation, And Traffic Count Station At Idaho St	\$1,875,000	11/2/2022
12-OR740	ORA-039-12.181/12.181	In Orange County in Anaheim at Orange Avenue	Modify signals, add safety lighting, bring ADA and guard rails to standard, and refresh delineation	\$818,000	12/4/2022
12-OR920	ORA-090-5.1/6.7	In Orange County in Brea and Fullerton at Route 57 southbound on / off-ramp(s) and at Kraemer Blvd	Modify signal, install lights, refresh pavement delineation, traffic data station, and sidewalk	\$1,168,000	12/23/2022
12-OT120	ORA-057-12.3/12.3	in Orange County, in the City of Anaheim, at Stadium Overhead	Deck spall repairs and polyester concrete overlay	\$1,850,000	4/14/2023
12-OS170	ORA-005-5.3/7.3	In Orange County in Dana Point and San Juan Capistrano, from 0.5 mile south of Camino De Estrella to 0.5 mile north of Route 1	Install safety lighting and upgrade median barrier	\$5,450,000	5/15/2023
12-OR170	ORA-001-8.5/8.5	In Orange County in Laguna Beach on SR 1 at Cress Street	Modify traffic signal, add safety lighting and ladder striping, refresh delineation, bring ADA to standard, and add protected left turn signal heads	\$788,000	6/13/2023
12-0Q990	ORA-001-0/.9	In Orange County in San Juan Capistrano, between I-5 and San Juan Creek Bridge	Improve roadside worker safety, provide slope stabilization, and prevent soil erosion	\$6,100,000	6/26/2023
12-OS150	ORA-241-33.61/38.7	In Orange County In Orange and Anaheim From Blind Canyon OC to SR 91	Replace jump out ramps damaged from the 2017, Route 241 fires	\$7,693,000	7/3/2023
12-0Q980	ORA-241-14.5/25.7	In Orange County In Rancho Santa Margarita and Lake Forest From Oso Parkway to Aliso Creek Bridge	Rehabilitate and upgrade drainage system deficiencies to alleviate flooding during significant rainstorm events	\$16,582,000	7/6/2023
12-OR750	ORA-005-33.7/35.4	In Orange County in Anaheim and Santa Ana, From EB SR 22/SB I-5 Connector to North of State College UC.	Modify traffic control devices and elongate lane-reduction to meet current standards of posted speed limit.	\$2,914,000	7/28/2023
12-OR314	ORA-091-R9.2/10.8	In Orange County In Anaheim From Route 91/55 Separation to 0.8 mile east of Lakeview Ave Overcrossing	Drainage, OH sign, TMS and roadside elements	\$37,060,000	9/1/2023
12-OS390	ORA-005-R41.8/41.8	In Orange County in Fullerton at Magnolia St NB Off Ramp	HFST overlay, pavement delineation, traffic control devices, reconstruct curb ramps	\$487,000	9/11/2023



UPCOMING D12 SHOPP MAJOR CONSTRUCTION PROJECTS



EA	Co-Rte-PM	Legal Description	Work Description	Construction Cost	Advertise Date M480
12-0S310	ORA-005-R26.3/42.2	In Orange County in Tustin, Santa Ana, Orange, Anaheim, Fullerton & Buena Park Off-Ramps	Install signs, raised islands, safety lighting and pavement markings	\$2,232,000	10/5/2023
12-0S750	ORA-001-.8/.8	In Orange County in the City of Dana Point on Doheny Park Road	Stripe Class II bike lanes and conflict zone green striping under SR 1 and through on/off ramps, add lighting and signage, enhance crosswalk visibility, and upgrade curb ramps.	\$1,051,000	11/1/2023
12-0P031	ORA-074-11.5/16.6	In Orange County, in the unincorporated area of Orange County, from 0.8 mile West of SAn Juan Hot Springs Canyon to the Orange / Riverside County line, excluding the San Juan Canyon Bridge	Follow up mitigation and landscape maintenance	\$800,000	12/1/2023
12-0S330	ORA-057-11.1/22.6	In Orange County in Orange, Anaheim, Placentia, Fullerton and Brea from Chapman Ave to LA County Line.	Add safety lighting, replace pavement delineation, delineate barrier, add pavement route shields.	\$9,963,000	1/2/2024
12-0R680	ORA-605-.2/1.6	In Orange and Los Angeles Counties in Los Alamitos and Long Beach from 0.2 mile North of Route 605/405 Separation to 0.2 mile North of Katella Ave UC	Place safety lighting along route 605 12, Ora, R0.2/H0.8, H1.0/R1.6 12, LA, H0.8/H1.0	\$7,835,000	1/5/2024
12-0N890	ORA-133-8.3/9.3	In Orange County In Irvine From I-405 To I-5	Extend No. 4 lane on SB SR-133 from SB I-5 Connector & add a second lane to NB 405 Connector.	\$18,990,000	1/17/2024
12-0S530	ORA-057-15.93/15.93	In Orange County in Anaheim at SB 57 to WB 91 connector	Construct new retaining wall on WB Rte 91, widen existing pavement	\$2,400,000	3/29/2024
12-0S280	ORA-005-9.6/10.4	In Orange County In San Juan Capistrano from Route 74 to south of Junipero Serra Road	Add a second auxiliary lane, Changeable Message Sign (CMS), and overhead sign structures	\$5,000,000	4/16/2024
12-0R313	ORA-091-6.4/9.2	In Orange County In Anaheim and Placentia From 0.1 mile East of La Palma Avenue Overcrossing To Route 91/55 Separation	Upgrade pavement, drainage, OH sign, TMS, and roadside elements	\$5,525,000	4/30/2024



FY 2022/2023 MINOR A & B



Capital Cost (x\$1,000)	Description & Location MINOR B
\$150	On Route 55 NB off-ramp to EB Chapman Avenue, reduce wrong way collisions and enhance existing pavement
\$310	On Route 39 (Beach Boulevard) at various intersections, Striping modification of existing crosswalks
\$280	On Route 22 EB off-ramps to Brookhurst Street and Euclid Street. Wrong-way Driver preventative Countermeasures
\$240	From Route 57 SB to Route 22 WB connector ramp, Signage Modification
\$160	On Route 22 EB to NB Routes 405/605 connector. Striping and Signage
\$300	On Route 1 at Newport Bay Bridge No.55-614 bike/pedestrian Undercrossing. Bike path widening/lighting
\$310	Route 55 Northbound Chapman Ave off-ramp. Upgrade safety device
\$300	On Route 55 Southbound at Collins Avenue OC. Upgrade safety device
\$270	On Route 5 SB offramp to State College Boulevard/City Drive. Signing, Delineation and Signal Head Modification
\$260	On Route 91, at WB off-ramp to Brookhurst St and at EB off-ramp to Euclid Street. Signing and Striping Modifications
\$240	In Anaheim EB off-ramp at Harbor Boulevard. Signing and Delineation Modifications
\$192	Route 39 (Beach Boulevard) intersection with Heil Avenue. Safety Lighting



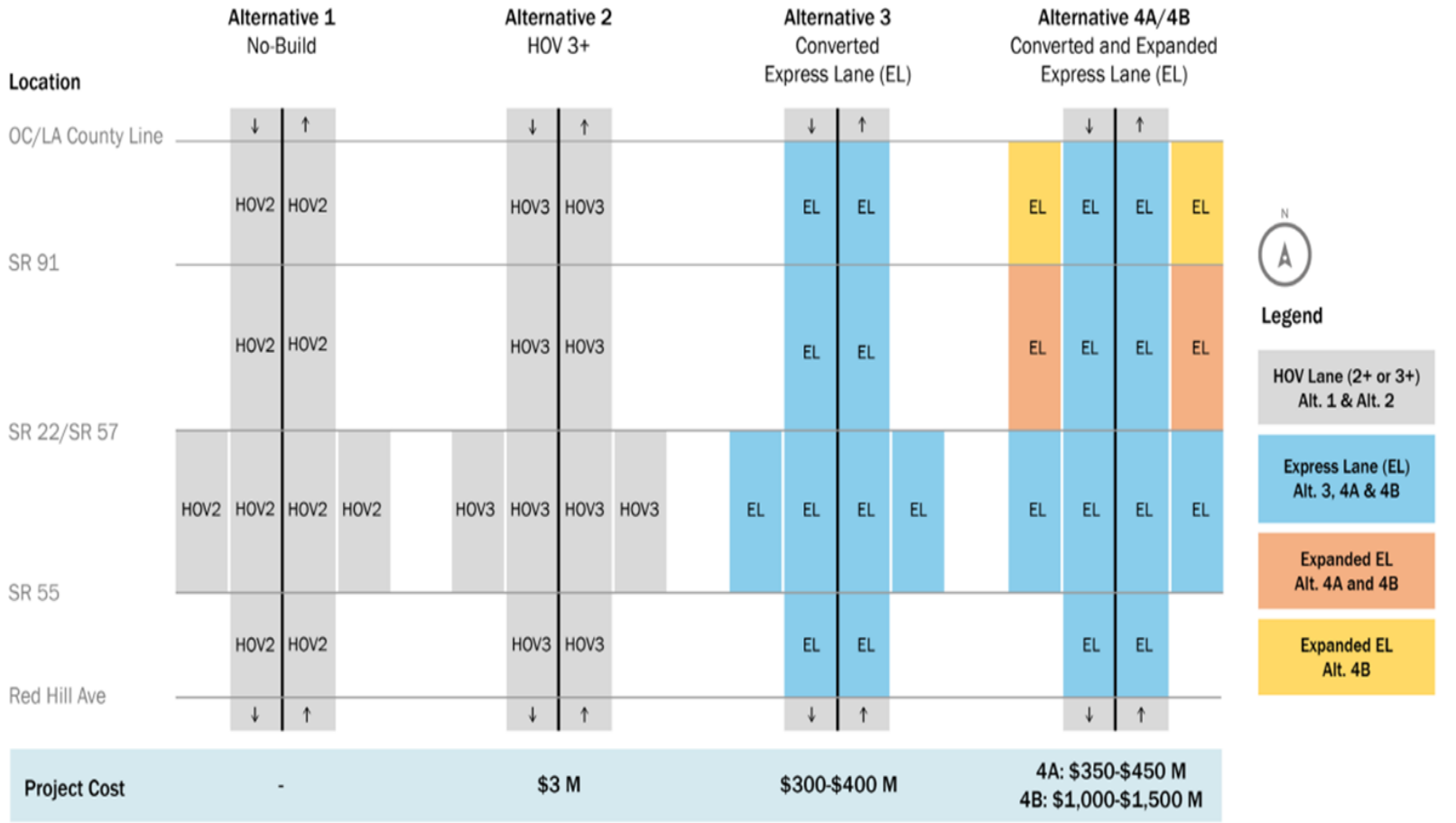
FY 2022/2023 MINOR A & B



Capital Cost (\$x\$1,000)	Description & Location
\$255	On Route 133 NB off ramp to Irvine Boulevard and NB loop on-ramp from Irvine Boulevard. Wrong Way Delineation, Signing and Curve Warning Signs
\$310	On route 73 SB off-ramp at MacArthur Boulevard. Plant establishment and monitoring
\$255	On Route 91 EB off-ramp to East Street and Raymond Street. Signing and Delineation
\$312	On SR-57, between I-5 and LA county line, install fiber optic cable, upgrade IP switches for RMSs
\$4,144	Minor B TOTAL
	MINOR A
\$1,250	On Route 57 near Chapman Avenue off-ramp – Regrade Slope, MGS, Delineation & Signing
\$1,250	On route 73 SB near Cabot Road replace plastic sheet on center median



I-5 HOV/EXPRESS LANE ALTERNATIVES



N
A

Legend

- HOV Lane (2+ or 3+)
Alt. 1 & Alt. 2
- Express Lane (EL)
Alt. 3, 4A & 4B
- Expanded EL
Alt. 4A and 4B
- Expanded EL
Alt. 4B

PROJECT FUNDING

Environmental phase funded by:

- State funding
- Federal funding
- State Highway Operation and Protection Program, (SHOPP), a component under Senate Bill 1, Roads Repair and Accountability Act of 2017

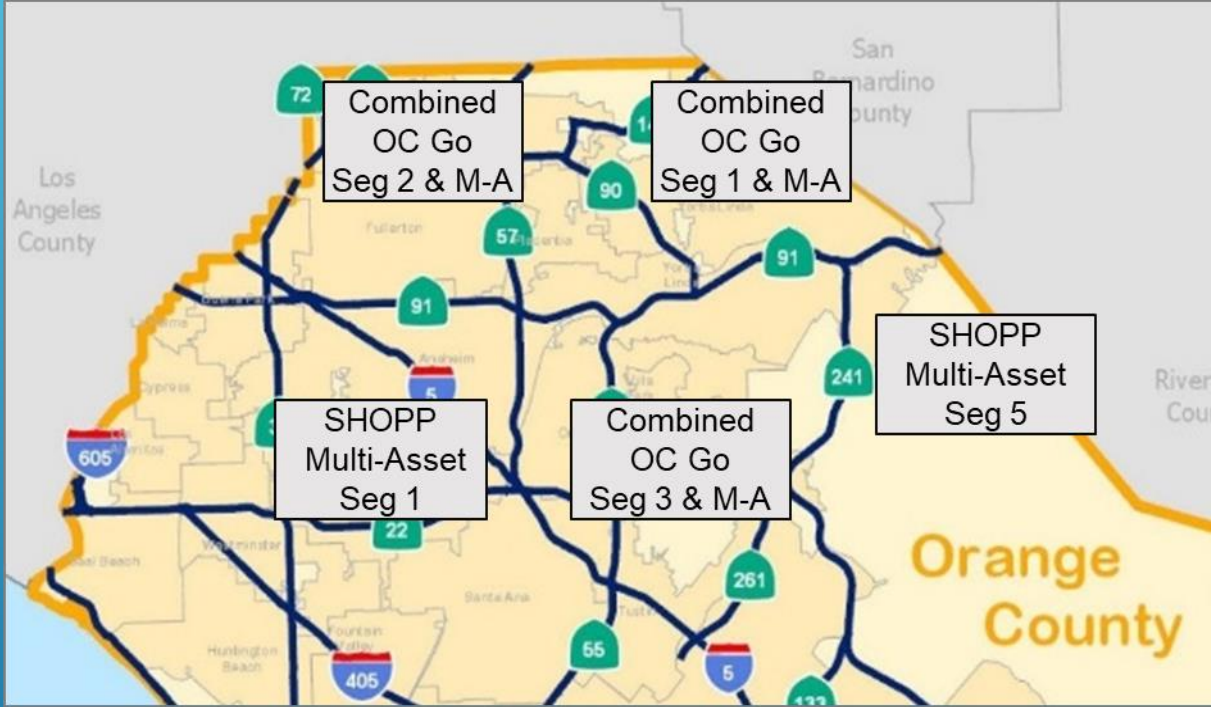
PROJECT SCHEDULE

- SUMMER 2023 – Draft Project Report and Environmental Document
- WINTER 2023 – Final Project Report and Environmental Document
- WINTER 2023 – Begin Design (Plans, Specifications, and Estimate)
- 2026 – Anticipated Begin Construction (D/B)

ENVIRONMENTAL PROCESS

The anticipated environmental document will be an Environmental Impact Report/Environmental Assessment (EIR/EA).

SR-91 IMPROVEMENT PROJECTS



Combination of SHOPP Multi-Asset & OCGo Projects

To avoid potential design and construction conflicts, throwaway, and construction fatigue; overlapping project segments will be integrated during final design activities for advertisement as combined contracts.

Scope

- Pavement rehabilitation
- Drainage replacement
- Overhead sign replacement
- Landscaping
- Lighting upgrades
- TMS element upgrades
- Fiber optic upgrades
- Weigh-in-motion system

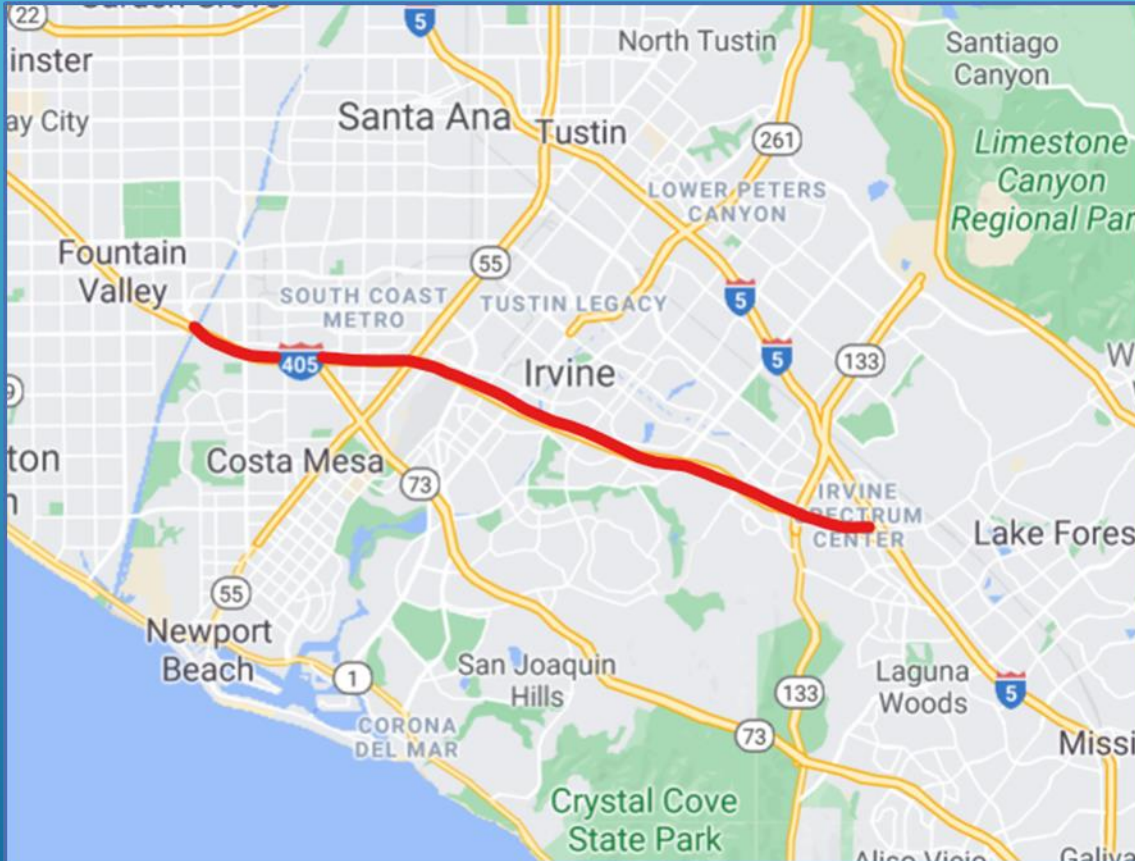
Cost (in Millions) & Schedule

Funding	M-A Seg 1	Comb. Seg 3	Comb. Seg 2	Comb. Seg 1	M-A Seg 5
	LA County Line to Acacia	Acacia to La Palma	La Palma to SR-55	SR-55 to Lakeview	Lakeview to Riverside Cty Line
OCGo	-	\$79.9	\$141.3	\$72.5	-
SHOPP	\$50.1	\$24.8	\$45.4	\$7.0	\$15.4
Combined	NA	\$104.7	\$186.7	\$79.5	NA
RTL	Mar '24	May '24	May '24	July '23	Mar '24

Total Cost of OCGo Projects = \$294 Million

Total Cost of SHOPP Multi-Asset Projects = \$143 Million

I-405 DESIGN BUILD MULTI-ASSET FROM I-5 TO HARBOR BLVD



Scope

The project propose to address both roadway and traffic management system (TMS) improvements. The work involves:

1. Pavement Rehabilitation
2. Replace bridge approach & departure slabs.
3. Improve planting and irrigation system.
4. Relocate maintenance facilities and improve workers safety.
5. Improve lighting.
6. Install cameras and smart lighting.
7. Widen on ramps, add auxiliary lanes and Park & Ride.
8. Upgrade guard rails and bridge rails.

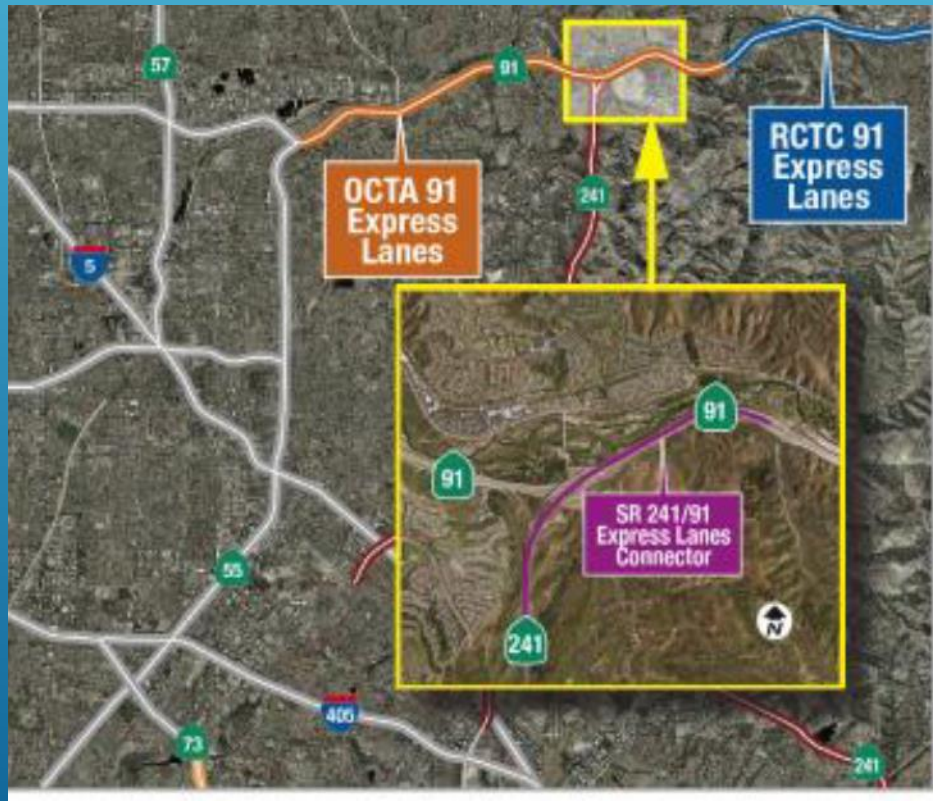
Cost

RW and Engineering:	<u>\$ 41 million</u>
Construction Capital:	<u>\$164 million</u>
Total:	\$205 million

Schedule

PA&ED:	October 2021
RFQ Release:	February 2022
RFP Release:	September 2022
Begin Construction:	January 2024
End Construction:	January 2026 (Open to Traffic date)

SR-241/SR-91 EXPRESS CONNECTOR PARTNERSHIP: CALTRANS/TCA/OCTA/RCTC



CONSTRUCTION COST

\$280 million

FUNDING

TCA
SCCP (anticipated)

PROJECT SCHEDULE

RTL: summer 2023

Construction Start:
Spring 2024

Construction End:
Spring 2027



OCGO PROJECTS - 10 YEAR DELIVERY



Route	EA	Post Mile	Location/Description	Total Cost (\$Mil)
COMPLETED				
005	0C890	30.3-34	I-5 between SR-55 and SR-57	\$39.4
IN CONSTRUCTION				
005	0K021	12.4-14.5	I-5 between SR-73 and Oso Parkway/Avery Parkway Interchange	\$195.8
005	0K022	14.5-17.1	I-5 between Oso Parkway and Alicia Parkway/La Paz Road Interchange	\$203.1
005	0K023	17.1-18.9	I-5 between Alicia Parkway and El Toro Road	\$178.3
405	0H100	10.2-24	I-405 between SR-73 and Interstate 605	\$1,560.2
IN DESIGN				
005	0K672	25.8-30.3	I-5 between Yale Avenue and SR-55	\$200.4
055	0J34U	6.4-10.4	SR-55 between I-405 and I-5	\$503.2



OCGO PROJECTS - 10 YEAR DELIVERY



Route	EA	Post Mile	Location/Description	Total Cost (\$Mil)
IN DESIGN				
091	OK981	9.4-10.8	SR-91 between SR-55 and Lakeview Avenue	\$100.9
091	OK982	6.4-9.1	SR-91 between La Palma Avenue and SR-55	\$208.4
091	OK983	4.7-6.5	SR-91 between Acacia Street and La Palma Avenue	\$116.2
605	OK870	1.1-1.6	I-605 Katella Avenue Interchange	\$29.0
IN ENVIRONMENTAL				
005	OK671	21.3-25.8	I-5 between I-405 and Yale Avenue	\$230.5
055	OK720	10.5-17.8	SR-55 between I-5 and SR-91	\$131.3
057	OM970	11.5-12.5	SR-57 Northbound from Orangewood Avenue to Katella Avenue	\$71.8
TOTAL				\$3,768.5



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